

Grading Rationale and Classroom Policies for AP Calculus BC

Mathematics Department

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Room 212

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AP Calculus BC: This course is for students who have completed Honors Pre-Calculus at the highest level. This is a full year course designed to prepare students for the AP Calculus BC Test in May. This course reviews the material from AP Calculus AB as well as introduces new concepts including, but not limited to: Euler's Method, Parametric and Polar Differentiation and Integration, Vectors and Vector Calculus, Sequences and Series. A graphing calculator is required of all students. Tests will be given in an AP Test format and much of the course will be designed as preparation for the AP Test. This course is equivalent to 8 credits of college Calculus (Calculus 1 and 2).

Required Materials: Notebook (or looseleaf), 3-ring binder, pencil and a **Texas Instruments graphing calculator are required** (TI-83 or later). Students may choose to use technology in lieu of a notebook.

Grades: Marks are determined using tests, quizzes, projects as 90% of the grade and homework/class participation will count for 10% of the marking period grade. The percentage of points earned out of points possible determines the grade. Each test, quiz, project, and homework assignment will be weighted according to the unit of study and the amount of time allowed for the unit. A class work or homework assignment may be collected and counted as a quiz grade.

Homework: Daily Homework assignments will be given. Homework will be checked by walking around the room and observing students' work. I will be looking for effort and completeness of the assignment. It is expected that students realize that homework must be done daily in order to learn the content of the course; yet students should not be spending in excess of one hour on any given assignment.

Class Participation: This is expected from all students. Class participation includes class work, participation in activities, being prepared for class, answering questions and overall class attitude. *Reminder: Math is not a spectator sport!* Because of the pace of this course, if students find themselves struggling, they need to find a time to meet as soon as possible.

Class Rules: Be prepared for class, respect your peers and your teacher, have a positive attitude. #proton

Helpful Hint: Keep your tests and quizzes for midterm study materials.

Course Outline

1st Semester

Unit 1: Calculus A: Limits and Derivatives - 16 Days

Unit 2: Calculus B: Evaluating Integrals – 5 Days

Unit 3: Calculus C: Advanced Integration – 5 Days

Unit 4: Calculus C: Parametric and Polar Calculus - 5 Days

Unit 5: Calculus C: Sequences and Series - 9 Days

Review and Midterm Exam – 5 Days

2nd Semester

Unit 6: Applications of Derivatives – 10 Days

Unit 7: Applications of Integration – 16 Days

AP Exam Review – 10 Days

Post Exam Topics – 9 Days

#mathchills

Twitter: @MrFitzBHS

Remind: Text “@BobcatBC19” to 81010

Extra Help is provided by the Math Department on Tuesdays and Thursdays
from 2:00-3:00

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